

ON A COLLECTION OF FISHES FROM THE SOUTHERN PART OF UKHRUL DISTRICT, MANIPUR¹

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Key words: Fish, Ukhrul district, Manipur

The southern part of Ukhrul district is drained by three important rivers, viz., Chatrickong, Maklang and Litan. The rivers form a part of the Chindwin river system. A detailed survey of the fish fauna shows 69 species belonging to 45 genera, 18 families and 7 orders. The collections include new records of 6 species, viz., *Schistura multifasciatus* (Day), *Psilorhyncus balitora* (Ham.), *Labeo fimbriatus* (Bloch), *Tetraodon cutcutia* (Ham.), *Puntius puntio* (Ham.), and *Macrognathus panculus* (Ham.) from Manipur. *Tor putitora* (Ham.) and *Pseudocheneis sulcatus* (Hora) are new records from the Chindwin drainage and *Mystus pulcher* (Chaudhuri) and *Exostoma stuarti* (Hora) are new records from India.

INTRODUCTION

The fish fauna of Ukhrul dist. has not been studied in detail. The district is situated at the extreme eastern part of Manipur State. It shares about 200 km of international border with Myanmar in the east. It is bounded by Nagaland on the north, Senapati in the west and Chandel in the south. Three major rivers drain the southern part of Ukhrul from west to east, which are the waterheads of the Chindwin drainage. Chatrickong is formed by the confluence of Sanalok and Khunukong. Khunukong originates in the foothills of Shiroi hills, while Sanalok originates in the foothills of Khayangphung hill. Sanalok flows near the boundary to the south for about 100 km, meets Khunukong at Dha-ado, and flows as Chatrickong to the east into the Chindwin of Myanmar. The Maklang river originates near Khanghui. It is joined by the Tuyungbi and flows for about 90 km to meet the Yu river a branch of the Chindwin in Myanmar. Litan river originates in the western foothills of the Shiroi. It follows a southwesterly course to meet Imphal river, which flows out of India as River Manipur, to meet the Chindwin. Although there are some reports on the fishes of Manipur (Chaudhuri 1912, Hora 1921, Hora and Mukherji

1935, Hora 1936, Menon 1952, Menon 1954), a detailed survey of the fishes of southern Ukhrul dist. has not been carried out. This paper reports on the fishes of three major rivers of southern Ukhrul dist.

MATERIAL AND METHODS

An extensive collection of fishes was made from Chatrickong, Maklang and Litan between March, 1995 and May, 1997. The specimens were collected by cast net, gill net, sidetracking, and chemical bait. Fishes were identified as per Jayaram (1981). The specimens were compared with collections at Manipur University Museum of Fisheries (MUMF) and Zoological Survey of India (ZSI) to confirm their identification.

OBSERVATIONS AND DISCUSSION

68 species belonging to 45 genera, 18 families and 7 orders were collected. It has been recorded that the fish fauna of southern Ukhrul dist. has Myanmarese as well as endemic elements and also some widely distributed species. *Nemacheilus manipurensis* Chaudhuri, *N. prasadi* Hora, *Garra litanensis* Vishwanath, *Semiplotus manipurensis* Vishwanath, *Glyptothorax sinense manipurensis* (Menon) are endemic to the hill streams of Manipur. The Myanmarese elements are *Raiamas guttatus*

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FISHES OF UKHRUL DISTRICT MANIPUR

LIST OF FISHES WITH LOCAL NAMES, THEIR DISTRIBUTION AND OCCURRENCE

Scientific name	Local name	Distribution			Remarks
		Tangkul/Manipuri	Chatrickong	Maklang	
(1)	(2)	(3)	(4)	(5)	(6)
ANGUILLIFORMES					
Anguillidae					
1. <i>Anguilla bengalensis</i> (Gray)	Manoi/Ngaril Laina	+	-	-	x
CYPRINIFORMES					
Cyprinidae					
2. <i>Crossocheilus burmanicus</i> (Hora)	Ungri/Ngaroi	+	+	+	x
3. <i>Chagunius nicholsi</i> (Myers)	Khisei/Ngara	+	+	-	x
4. <i>Cirrhinus reba</i> (Ham.)	Adhue/	+	+	-	x
5. <i>Semiplotus manipurensis</i> Vish. & Kosygin	Aveah/Ngakoi	+	+	-	x
6. <i>Labeo dero</i> (Ham.)	Adhue/Ngaton	-	+	-	x
7. <i>Labeo calbasu</i> (Ham.)	do/Ngathi	+	-	-	x
8. <i>Labeo pangusia</i>	do-	+	-	-	x
9. <i>Labeo fimbriatus</i> (Bloch)	do-	+	-	-	RM
10. <i>Neolissochilus stracheyi</i> (Day)	Khaicham/Ngara	+	-	-	x
11. <i>N. hexagonolepis</i> (McClelland)	Khaicham/Ngara	-	+	-	x
12. <i>Osteobrama cotio</i> (Ham.)	Khibo/Ngaseksha	+	-	-	x
13. <i>Puntius ticto</i> (Ham.)	Khaiwonla/Ngakha	+	-	+	x
14. <i>Puntius puntio</i> (Ham.)	do-	+	-	-	RM
15. <i>Puntius saphore</i> (Ham.)	do-	+	-	-	x
16. <i>Puntius clavatus burtoni</i> Mukherji	Khaiseng/Heikaknga	+	+	+	x
17. <i>Raiamas guttatus</i> (Day)	Ngawapyiva/Ngawathongkong	+	+	+	x
18. <i>Barilins barila</i> (Ham.)	Maseova/Ngawa	+	-	-	x
19. <i>Barilins</i> sp. 1	Maseova/Ngawa	+	-	-	x
20. <i>Barilins barna</i> (Day)	Maseova/Ngawa	+	-	+	x
21. <i>Barilins</i> sp. 2	Maseova/Ngawa	-	-	+	x
22. <i>Tor tor</i> (Ham.)	Khihue/Ngara	+	+	-	x
23. <i>Tor putitora</i> (Ham.)	Khihue/Ngara	+	-	-	RC
24. <i>Danio aequipinnatus</i> (McClelland)	Khipuli/Nunga	+	+	+	x
25. <i>Chela fasciatus</i> (Silas)	Khinge/-	+	-	-	x
26. <i>Salmostoma sladoni</i> (Day)	Khivi/-	+	-	-	x
27. <i>Amblypharyngodon mola</i> (Ham.)	Khaiwonla/Mukaknga	+	-	+	x
28. <i>Aspidoparia morar</i> (Ham.)	Khaitam/-	+	-	-	x
29. <i>Esomus danricus</i> (Ham.)	Khira/Ngashang	+	-	-	x
30. <i>Rasbora rasbora</i> (Ham.)	Khira/-	+	-	-	x
31. <i>Garra nasuta</i> (McClelland)	Ngi-ung/Ngamushangum	+	+	+	x
32. <i>Garra lissorhynchus</i> (McClelland)	Ngi-ung/Ngamushangum	+	+	-	x
33. <i>Garra manipurensis</i> Vish. & Saroj.	Ngi-ung/Ngamusangum	-	-	+	x
34. <i>Schizothorax richardsonii</i> (Gray)	Khaingula/Sananga	+	+	-	x

FISHES OF UKHRUL DISTRICT, MANIPUR

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Scientific name	Local name	Distribution			Remarks
		Tangkul/Manipuri	Chatrickong	Maklang	
(1)	(2)	(3)	(4)	(5)	(6)
Psilorhynchidae					
35. <i>Psilorhynchus balitora</i>	Chanrila/Nunga	-	+	-	RM
36. <i>Psilorhynchus homalopectera</i> (Hora)	Chanrila/Nunga	+	-	-	x
Balitoridae					
37. <i>Balitora brucei</i> (Gray)	Lungvap/-	+	+	-	x
38. <i>Schistura manipurensis</i> Chaudhuri	Hangkorkhai/Ngatup	+	1	-	x
39. <i>S. vinciguera</i> (Hora)	Hangkorkhai/Ngatup	+	+	+	x
40. <i>S. prashadi</i> Hora	Hangkorkhai/Ngatup	+	+	-	x
41. <i>S. multifasciatus</i> (Day)	Hangkorkhai/Ngatup	+	-	-	RM
42. <i>S. kangjupkhulensis</i> Hora	Hangkorkhai/Ngatup	-	+	-	x
Cobitidae					
43. <i>Pangio pangia</i> (Ham.)	Khi-ngi/Nganap	-	+	-	x
44. <i>Botia berdmorei</i> (Blyth)	Khikhana/Sarengkhoibi	+	+	+	x
45. <i>Botia histrionica</i> (Blyth)	Khikhana/Sarengkhoibi	+	+	-	x
Siluriformes: Siluridae					
46. <i>Ompok bimaculatus</i> (Bloch)	Khitu/Ngaten	+	-	-	x
Bagridae					
47. <i>Batasio tengana</i> (Ham.)	Khitheo/Ngarang	-	+	-	x
48. <i>Mystus bleekeri</i> (Day)	Khithea/Ngasep	+	-	+	x
49. <i>Mystus pulcher</i> (Chaudhuri)	Khithea/Ngasep	+	-	-	RI
50. <i>Mystus cavasius</i> (Ham.)	Khithea/Ngasep	+	-	-	RM
Amblycepididae					
51. <i>Amblyceps mangois</i> (Ham.)	Khiva-kwah/-	+	+	-	x
Sisoridae					
52. <i>Bagarius bagarius</i> (Ham.)	Khaimi/Ngarel	+	+	-	x
53. <i>Erethestes pussilus</i> (Müller)	Lungthei/-	-	1	-	x
54. <i>Exostoma stuarti</i> (Hora)	Lungthei/-	+	-	-	RI
55. <i>Glyptothorax platigoponoides</i> (Bleeker)	Kapangh/Ngapang	+	+	-	x
56. <i>G. tritineatus</i> (Blyth)	Kapangh/Ngapang	+	+	-	x
57. <i>G. sinense manipurensis</i> (Regan)	Kapangh/Ngapang	-	+	-	x
58. <i>Pseudocheneis sulcatus</i> (McClelland)	Khikha/-	+	-	-	RC
Cyprinodontiformes: Belonidae					
59. <i>Xenentodon cancila</i> (Ham.)	Morsangkhai/Ngacheklaobi	-	+	-	x

FISHES OF UKHRUL DISTRICT, MANIPUR

LIST OF FISHES WITH LOCAL NAMES, THEIR DISTRIBUTION AND OCCURRENCE (contd.)

Scientific name	Local name	Distribution			Remarks
		Chatrickong	Maklang	Litan	
(1)	(2)	(3)	(4)	(5)	(6)
Perciformes: Ambassidae					
60. <i>Chanda nama</i> (Ham.)	Khihungsha/Ngamhai	+	-	-	x
Nandidae					
61. <i>Nandus nandus</i> (Ham.)	Ngwa-ngae/-	+	-	-	x
62. <i>Badis badis</i> (Ham.)	Ngwa-masha/-	+	-	-	x
Gobiidae					
63. <i>Glossogobius giuris</i> (Ham.)	Khaivachar/Nailonnga	+	-	+	x
Anabantidae					
64. <i>Anabas testudineus</i> (Bloch)	Tampakhai/Ukabi	+	-	-	x
Belontiidae					
65. <i>Colisa fasciatus</i> (Schneider)	Khaishim/Ngabema	+	-	-	x
Channidae					
66. <i>Channa gachua</i> (Ham.)	Khaiva/Meiteingamu	+	+	+	x
Tetraodontiformes: Tetradontidae					
67. <i>Tetraodon cutcutia</i> (Ham.)	Khikaro/Hangoinga	-	+	-	RM
Mastacembeliformes: Mastacembelidae					
68. <i>Macrogonathus pancalus</i> (Ham.)	Khiphue/Ngarin	+	-	-	RM
69. <i>Mastacembelus armatus</i> (Lecepede)	Khiphue/Ngarin	+	+	+	x

RM = new records from Manipur, RI = new records from India, RC = records from Chindwin drainage, - = absent, + = present,

(Day), *Osteobrama cotio cunma* (Day), *Crossocheilus burmanicus* Hora, *Garra gravelyi* (Annandale), *Neolissochilus stracheyi* (Day), *Chagunius nicholsi* (Myers), *Salmostoma sladoni* (Day) and *Mystus pulcher* (Chaudhuri). The remaining fishes are widely distributed and common in other parts of India.

TAXONOMIC REMARKS

■ *Schistura multifasciatus* (Day, 1878). *Fish. India*, p 617 (Type locality: Darjeeling and Assam)

Material examined: 1 ex., Chatrickong river, 2-ii-1997, SL 41.3 mm

Distribution: INDIA: Chatrickong River and NEPAL

Remarks: New record from Manipur. Body marked by 16 vertical bands and a black spot at base of anterior dorsal fin rays.

■ *Psilorhyncus balitora* (Ham. 1822). *Fishes of Ganges*, p 393. (Type locality: Rivers of northeast Bengal).

Material examined: 11 ex. Maklang river, 24-iv-1995 SL 39.5-61.3 mm

Distribution: INDIA: Chatrickong river, BANGLADESH, NEPAL and MYANMAR

Remarks: New record from Manipur. Lateral scales 30-34, branched dorsal fin rays 8

8, head small and conical.

■ *Labeo fimbriatus* (Bloch, 1795). *Natugesog. auland. fische*, 12: 50, pl 409. (Type locality: "Malabarischen Kueste", Madras)

Material examined: 1 ex. Chatrickong river, 6-vi-1996. SL 88.6 mm

Distribution: INDIA: Chatrickong river, NEPAL and MYANMAR.

Remarks: New record from Manipur. Dorsal fin with 15 branched rays and lateral transverse scale row 5 between lateral line and pelvic fin base.

■ *Tetraodon cutcutia* (Hamilton, 1822). *Fishes of Ganges*, 8, 362, pl. 18 fig. 3 (Type locality: Ganges river)

Materials examined: 2 ex. Maklang river, 24-iv-1995. SL 130.5-131 mm

Distribution: INDIA: Maklang river, BANGLADESH, SRI LANKA, MYANMAR and MALAY ARCHIPELAGO.

Remarks: New record from Manipur. Dorsal fin with 10-12 rays, anal fin with 10 rays. Only two species found in Indian rivers.

■ *Puntius puntio* (Hamilton, 1822). *Fishes of Ganges*, pl 318, (Type locality: Ponds and ditches of southern Bengal)

Material examined: 1 ex. Chatrickong river, 6-vi-1996. TL 22.5 mm

Distribution: INDIA: Chatrickong river, BANGLADESH and MYANMAR.

Remarks: New record from India. A single wide band around the base of caudal fin.

■ *Pseudocheneis sulcatus* (McClelland, 1842). *J. nat. Hist.* 2: 587. (Type locality: Khasi Hills, Meghalaya)

Materials examined: 1 ex. Chatrickong river, 12.v.1997. SL 125.3 mm.

Distribution: INDIA: Chatrickong, NEPAL and BANGLADESH.

Remarks: New record from Chindwin drainage. The species is characterised by broad and oval thoracic apparatus and four large irregular reddish-brown blotches on side of lateral line.

■ *Macrogathus panculus* (Ham. 1822). *Fishes of Ganges*. 30,364. (Type locality: Tanks

of Ganges province)

Material examined: 5 ex. Chatrickong river, 6.vi.1996 SL 74.4-85.6 mm

Distribution: INDIA: Chatrickong river, PAKISTAN and BANGLADESH.

Remarks: New records from Manipur. Dorsal spine with 24-25 and with many yellowish-white spots on the flank on the sides of the body.

■ *Tor putitora* (Ham. 1822). *Fishes of Ganges*. 303: 388. (Type locality: Eastern part of Bengal)

Material examined: 3 ex. Chatrickong river. 2.ii.1997 SL 133.4.166.2 mm

Distribution: INDIA: Chatrickong river, AFGHANISTAN, PAKISTAN, NEPAL and BANGLADESH.

Remarks: New record from Chindwin drainage. The species can be easily distinguished from *Tor putitora* from its greater snout length. Since it is one of the waterheads of Chindwin drainage the species might also occur in Myanmar.

■ *Mystus pulcher* (Chaudhuri, 1911). *Rec. Indian, Mus.* 6:20. (Type locality: Bhamo, Myanmar)

Materials examined: 6 exs. Chatrickong river. 6-6-96. SL 65.3-69.8 mm

Distribution: INDIA: Chatrickong river and MYANMAR

Remarks: New record from India. The species can be easily differentiated from other species by the presence of two large black spots, one on the dorsal fin base and the other on the caudal fin base. The species was listed by Dutta and Laisharam (1984) in their zoogeographic study on the fishes of Manipur; however, it was not present in their collection. Thus it is a new records from India.

■ *Exostoma stuarti* (Hora, 1923). *Rec. Indian. Mus.*, 25, p. 39. (Type locality: Namyak river at Tanga in the northern frontier of Myanmar).

Materials examined: 1 ex. Chatrickong river, 12.v.1997, SL 68 mm

Distribution: INDIA: Chatrickong and

MYANMAR: Namyak river at Tanga.

Remarks: New record from India. Adiposed dorsal fin free from caudal fin; a distinct black spot at the base of the pectoral fin; least height of caudal peduncle 2.02 in its length. The species is known to occur only in Myanmar but this report now extends its distribution to India.

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